What is claimed is:

1.   An information processing apparatus comprising:

a plurality of receiving means for receiving a request
signal for requesting bus acquisition for each of a plurality
of modules;

measurement means for measuring time limit of each
of said plurality of modules based on the request signal
received by each of said plurality of receiving means;

priority determination means for determining
priority of bus acquisition of said plurality of modules
according to the time limit measured by said measurement
means; and

control means for controlling acquisition of bus for
said plurality of modules based on the priority determined
by said priority determination means.

2.   The information processing apparatus according to
Claim 1, wherein said priority determination means
determines priority by means of a round-robin method if
there is a plurality of modules having a same time limit as
measured by said measurement means.

3.   An information processing method comprising the
steps of:

receiving a request signal for requesting bus
acquisition for each of a plurality of modules;

measuring time limit of each of said plurality of
modules based on a request signal received for each of a
plurality of modules, for requesting bus acquisition;

determining priority of bus acquisition of said

plurality of modules according to a time limit as measured in said measurement step; and

controlling acquisition of bus for said plurality of modules based on the priority as determined in said
5 priority determination step.

4. A storage medium for storing a computer-readable program for causing the computer to execute the steps of:

measuring time limit of each of said plurality of
10 modules based on a request signal received for each of a plurality of modules, for requesting bus acquisition;

determining priority of bus acquisition of said plurality of modules according to a time limit as measured in said measurement step; and
15 controlling acquisition of bus for said plurality of modules based on the priority as determined in said priority determination step.

5. A computer-readable program for causing the
20 computer to execute the steps of:

measuring time limit of each of said plurality of modules based on a request signal received for each of a plurality of modules, for requesting bus acquisition;

determining priority of bus acquisition of said
25 plurality of modules according to a time limit as measured in said measurement step; and

controlling acquisition of bus for said plurality of modules based on the priority as determined in said priority determination step.
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